

Experimental Probabilistic Snowfall

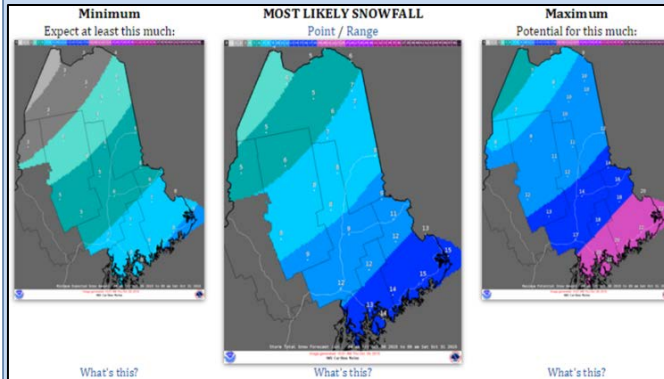
EXPERIMENT GOALS

- Quantify and communicate forecast uncertainty in our snowfall products and services.
- Introduce key stakeholders to probabilistic information for effective decision making to help mitigate risks.

What is it?

- A new technique for forecasting snow that expresses a “range” of possible outcomes.
- A combination of forecaster input and an ensemble (group) of 63 weather models that provides numerous snowfall forecasts for a specific point and time.
- Snowfall probabilities are created from this information down to a 2.5 square kilometer resolution, across the entire forecast area.

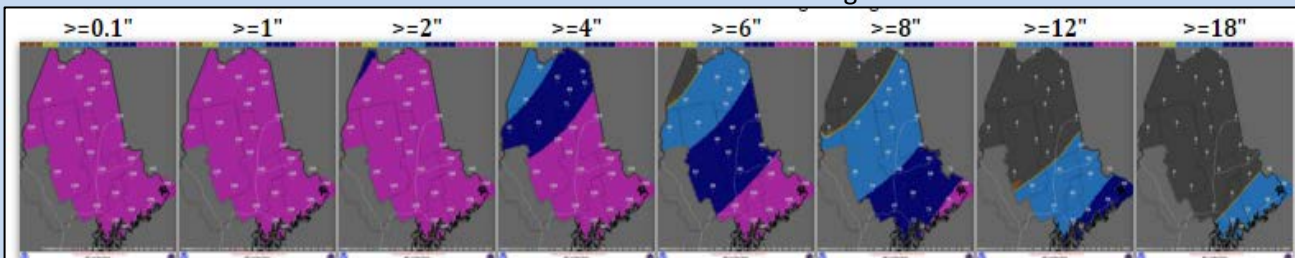
Products



Min/Most Likely/Max – These graphics provide a range of forecasts from the probable minimum, to the most likely, to the potential maximum for storm total snowfall amounts.

Location	Min	Likely	Max	>=0.1"	>=1"	>=2"	>=4"	>=6"	>=8"	>=12"	>=18"
Bangor, ME	6	11	17	100%	100%	100%	100%	100%	67%	47%	0%
Bar Harbor, ME	8	14	21	100%	100%	100%	100%	100%	74%	57%	34%
Calais, ME	7	13	19	100%	100%	100%	100%	100%	72%	54%	30%
Caribou, ME	4	6	10	100%	100%	100%	70%	52%	36%	0%	0%
Dover-Foxcroft, ME	5	9	13	100%	100%	100%	100%	68%	54%	30%	0%
Fort Kent, ME	3	4	7	100%	100%	100%	54%	31%	0%	0%	0%
Greenville, ME	4	8	12	100%	100%	100%	100%	63%	48%	0%	0%
Houlton, ME	4	8	12	100%	100%	100%	100%	63%	48%	0%	0%
Machias, ME	8	14	21	100%	100%	100%	100%	100%	100%	59%	37%
Madawaska, ME	3	5	7	100%	100%	100%	57%	34%	0%	0%	0%
Millinocket, ME	4	8	12	100%	100%	100%	100%	63%	49%	0%	0%

Snowfall Tables – These tables provide the chance of exceeding a certain snowfall amount, in addition range tables provide the likelihood of certain snowfall ranges.



Exceedance Probability Output – These graphics represent the chance of exceeding a specific snowfall amount across the region in percentage values. Threshold options are 0.1", 1", 2", 4", 6", 8", 12", 18".

Webpage: www.weather.gov/car/winter

What's this?

For additional information explaining what these probabilistic snowfall graphics are and how to use them. Select the “What’s This?” link under the product.